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SOPRAROCK DD PLUS

TECHNICAL DATA SHEET
121018SCAN4E
(supersedes 110829SCAN4E)

DESCRIPTION

SOPRAROCK DD PLUS is a mineral wool board insulation with a rigid upper layer for durability and enhanced strength. **SOPRAROCK DD PLUS** is impregnated with a bitumen layer which is compatible with **SOPREMA**'s torch or mop applied membranes or adhered with **COLPLY ADHESIVE (BRUSH GRADE)**. **SOPRAROCK DD PLUS** must be mechanically fastened, adhered with hot bitumen, or adhered with **DUOTACK** adhesive only.

ADVANTAGES

SOPRAROCK are mineral wool fiber insulations made from basalt rock and slag. This combination results in a non-combustible product with a melting point of approximately 1177 °C (2150 °F), which gives it excellent fire resistance properties. **SOPRAROCK** mineral wool is a water repellent yet vapor permeable material. **SOPRAROCK DD PLUS** offers excellent dimensional stability and excellent acoustic properties. Moreover, the R-Value of **SOPRAROCK DD PLUS** is stable. **SOPRAROCK DD PLUS** is fire resistant and made from natural and recycled products.

PROPERTIES

Properties	Standards	SOPRAROCK DD PLUS
Thickness	-	2-6 in (by increment of ½ in)
Dimensions	-	4 ft x 4 ft (1.2 x 1.2 m)
Thermal Resistance (RSI Value - m²K/W for 25.4 mm at 75 °F)	ASTM C 518 (C 177)	0.68 m²K/W (R - 3.8 hr • ft² • °F / BTU for 1 in at 75 °F)
Compressive Strength - Top Layer at 10% - Top Layer at 25% - Entire Board (3 in Thickness) at 10% - Entire Board (3 in Thickness) at 25% - Point load at 5mm compression	ASTM C 165 EN 12430	139 kPa (20.2 psi) 252 kPa (37.0 psi) 71 kPa (10.3 psi) 103.5 kPa (15.0 psi) 205 kPa (30.0 psi)
Density - Top Layer - Bottom layer * Formed as a monolithic structure	ASTM C 612-09	13.75 lb/ft³ (220 kg/m³) 10.0 lb/ft³ (160 kg/m³)
Dimensional Stability, Linear Shrinkage 24 hours at 1200 °F (650 °C)	ASTM C 356	0.71 %
Water Absorption	ASTM C 209	< 1.0 %
Water Vapor Sorption	ASTM C 1104	0.15 %

CAN/ULC-S107-03 Fire test of roof covering, classified according to the type of membrane used.

CAN/ULC-S126-06 Fire spread under roof deck assemblies, classified according to the type of membrane used.
(All values are nominal)

PACKAGING

The factory packaging is intended for the protection of the insulation boards during transit and is not intended for job site protection against the elements. When product is stored outdoors, the plastics shroud must be slit and the insulation protected by a waterproof, breathable covering such as a tarpaulin. Insulation must be stored minimum 102 mm (4 in) above ground and kept on a solid flat surface.

PRECAUTIONS

SOPRAROCK DD PLUS should not be exposed to inclement weather during shipment, storage or installation. At the completion of a day's work, all exposed edges should be sealed by lapping roof membrane over them.

